

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 April 2005 (07.04.2005)

PCT

(10) International Publication Number
WO 2005/031555 A1

(51) International Patent Classification⁷: **G06F 3/033,**
G06K 17/00

(21) International Application Number:
PCT/EP2004/052320

(22) International Filing Date:
27 September 2004 (27.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0322697.4 27 September 2003 (27.09.2003) GB

(71) Applicant (for all designated States except US):
**HEWLETT-PACKARD DEVELOPMENT COM-
PANY, L.P.** [US/US]; Hewlett-Packard Development
Company, L.P., 20555 S.H. 249, Houston, Texas TX 77070
(US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SLATTER, David,**
Neil [GB/GB]; 13 Hill Burn, Henleaze, Bristol Bristol BS9

4RH (GB). **MCDONNELL, James, Thomas, Edward**
[GB/GB]; 31 Queens Gate, Stoke Bishop, Bristol BS9 1TZ
(GB).

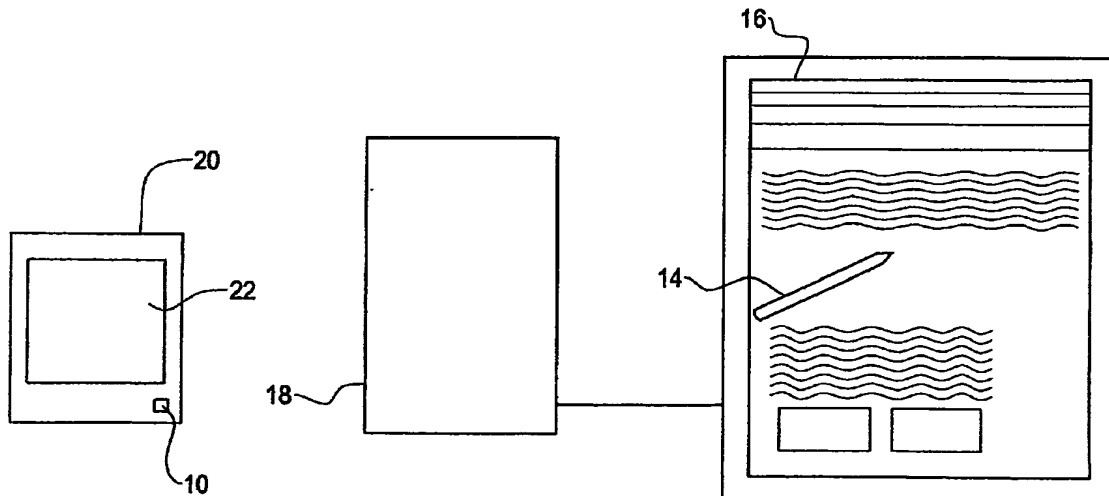
(74) Agent: **LAWRENCE, Richard;** Hewlett-Packard Lim-
ited, Intellectual Property Section, Filton Road, Stoke Gif-
ford, Bristol BS34 8QZ (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: READING FROM AND WRITING TO MEMORY TAGS AND DATA TRANSFER BETWEEN A READER/WRITER
AND A FURTHER DEVICE



(57) Abstract: The reading of data from a memory tag to another device, using a memory tag reader, is described. The other device, such as PDA, has an active portion, e.g. a touch screen, which can detect the presence and position of the memory tag reader when brought adjacent to it. The memory tag reader, may have the form of a stylus, is brought adjacent to the memory tag and data uploaded into the memory tag reader. The memory tag reader is moved adjacent to the active portion of the other device into a position which identifies the location to which the data is to be transferred. The data is then downloaded into that location in the other device. A similar process is described for downloading data from the other device to the memory tag. Apparatus appropriate to carry out each stage of these processes is described.

WO 2005/031555 A1



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*